

CLAIMS

1. A self-excited oscillation heat pipe charging working fluid in a fluid channel reciprocating multiple times between a heating portion and a cooling portion, wherein at least a part of a container constituting the fluid channel has flexibility and can be disposed at a portion which is deployable, foldable and deformable.

2. A self-excited oscillation heat pipe according to Claim 1, wherein at least a part of a conduit constituting the container of the self-excited oscillation heat pipe has a flexible shape.

3. A self-excited oscillation heat pipe according to Claim 2, wherein at least a part of a conduit constituting the container of the self-excited oscillation heat pipe has a coiled shape.

4. A self-excited oscillation heat pipe according to Claim 2, wherein at least a part of the conduit constituting the container of the self-excited oscillation heat pipe has a waved bent shape.

5. A self-excited oscillation heat pipe according to Claim 2, wherein at least a part of the conduit constituting the container of the self-excited oscillation heat pipe is formed of a bellows.

6. A self-excited oscillation heat pipe according to Claim 1, wherein at least a part of the container of the self-excited oscillation heat pipe is constituted by a material having flexibility.

7. A self-excited oscillation heat pipe according to Claim 6, wherein at least a part of the container of the self-excited oscillation heat pipe is constituted by super elastic alloys or supper elastic plastic alloys.

8. A self-excited oscillation heat pipe according to any of Claims 2 to 7, wherein at least a part of the conduit constituting the container of the self-excited oscillation heat pipe disposed on a heat transfer surface has flexibility.

9. A self-excited oscillation heat pipe according to Claim 8, wherein the heat transfer surface is formed inside clothing and the conduit is disposed inside the clothing.

10. A self-excited oscillation heat pipe according to any of Claims 2 to 7, wherein at least a part of the container of the self-excited oscillation

heat pipe other than the container disposed on the heat transfer surface has flexibility.

11. A self-excited oscillation heat pipe according to Claim 10, wherein the self-excited oscillation heat pipe is disposed over a main unit of a spacecraft mounting electronic equipment thereon and a radiation surface connected to the main unit to be foldable in the main unit and deployable from the main unit.

12. A computer provided with a main unit having at least a CPU housed therein and a display unit foldably attached to the main unit, wherein a self-excited oscillation heat pipe having flexibility at least at a part of a container is disposed over the main unit and a backside of the display unit.

13. A computer according to Claim 12, wherein the self-excited oscillation heat pipe has a flexible shape at least at a part of a conduit constituting the container.

14. A computer according to Claim 13, wherein the self-excited oscillation heat pipe has a coiled shape at least at a part of the conduit constituting the container.

15. A computer according to Claim 13, wherein the self-excited oscillation heat pipe has a waved bent shape at least at a part of the conduit constituting the container.

16. A computer according to Claim 13, wherein the self-excited oscillation heat pipe is formed of a bellows at least at a part of the conduit constituting the container.

17. A computer according to any of Claim 12, wherein at least a part of the container of the self-excited oscillation heat pipe is constituted by a material having flexibility.

18. A computer according to any of Claim 17, wherein at least a part of the container of the self-excited oscillation heat pipe is constituted by super elastic alloys or super elastic plastic alloys.

19. A computer according to any of any of Claims 12 to 18, wherein a part of the container of the self-excited oscillation heat pipe is connected to a CPU or a radiation member of the CPU in an excellent heat transfer state.

20. A computer according to any of any of Claims 12 to 19, wherein a fan is provided on the radiation surface provided on the backside of the display unit.